BayRS Version 13.03 and Site Manager Software Version 7.03 Release Notes

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Preface

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You can purchase selected documentation sets, CDs, and technical publications through the collateral catalog. The catalog is located on the World Wide Web at *support.baynetworks.com/catalog.html* and is divided into sections arranged alphabetically:

- The "CD ROMs" section lists available CDs.

- The "Guides/Books" section lists books on technical topics.

- The "Technical Manuals" section lists available printed documentation sets.

How to Get Help

If you purchased a service contract for your Nortel Networks product from a distributor or authorized reseller, contact the technical support staff for that distributor or reseller for assistance.

If you purchased a Nortel Networks service program, contact the Nortel Networks Technical Solutions Center at 800-2LANWAN (800-252-6926), Express Routing Code 153.

Chapter 1 BayRS Version 13.03 and Site Manager Software Version 7.03 Release Notes

This document lists the anomalies (also referred to as bugs, change requests, or CRs) that have been fixed in Nortel Networks™ BayRS™ Version 13.03 and Site Manager Software Version 7.03.

Use the BayRS Version 13.00 and Site Manager Software Version 7.00 documentation with BayRS Version 13.03 and Site Manager Software Version 7.03.

Maintenance Release Methodology

BayRS Version 13.03 and Site Manager Software Version 7.03 are Maintenance Releases.

Maintenance Releases are designated by a change in the second number to the right of the decimal point. They provide a collection of software bug fixes for the current Major Release. No new software or hardware features or functionality for either software or hardware is introduced beyond that already contained in the current Major Release.

A Maintenance Release will occur approximately each 3 to 4 months after a Major Release occurs. A Maintenance Release replaces the current Major Release (or the prior Maintenance Release) and will become the current shipping version of BayRS. Each Maintenance Release will be a consolidation of the prior bug fixes made through Revision Releases, and will roll up all such software bug fixes provided by the recent Revision Releases.

Year 2000 Compliance

BayRS Version 13.03 and Site Manager Software Version 7.03 are Year 2000 Compliance Certified by Nortel Networks. They have successfully passed Nortel Networks Test Procedure which tests conformance to the Nortel Networks Year 2000 compliance definition, both of which can be found at the Nortel Networks Year 2000 Web Site at *http://www.baynetworks.com/year2000/.*

BayRS Version 13.03 Fixed Anomalies

Nortel Networks has fixed the following anomalies in BayRS Version 13.03.

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SITE MANAGER COMPATIBILITY

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BayRS version   is managed by   Site Manager version

13.03 ---------------------------------> 7.03

13.02 ---------------------------------> 7.02

13.01 Revision 2 ----------------------> 7.01 and 7.01 Revision 2

13.02 Revision   -----------------------> 7.02

13.03 Revision 1 is Year 2000 Compliance Certified by Nortel Networks. It has successfully passed Nortel Networks Test Procedure which tests conformance to Nortel Networks Year 2000 compliance definition, both of which can be found at Nortel Networks Year 2000 Web site at http://www.baynetworks.com/year2000/.

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CR 29673: ATM

After configuring source route bridging (SRB) and SR spanning tree on an ATM PVC interface when they are not configured on the adjoining device, an MCP error occurs on the router.

CR 30952: DLSw

The DLS slot memory statistics show incorrect memory usage figure for the DLS slot. This condition reflects incorrect statistics and inhibits the establishment of new connections because the erroneous statistic is used to determine whether DLS can acquire more memory from the system heap when establishing a connection.

CR 33663: PPP MIB II

UniCast packets are not incrementing the MIB properly for a sync link.

CR 33890: Scheduled Boot

High CPU utilization following scheduled boot is impacting all operations on the router.

CR 34438: Protocol Priority

When an outbound protocol priority SNA traffic filter is enabled on a sync circuit, bouncing the circuit can cause the sync interface state to report as down until the traffic filter is disabled.

CR 35161: X.25

Bouncing X.25 may cause a bus error.

CR 35612: BGP

Memory leaks occur on all slots with BGP configured.

CR 75161: Scheduled Boot

Scheduled boot is not Y2K compliant in that the boot does not work for dates in the year 2000 if the GMT on the router is non-zero.

CR 76003: ATM

After a physical disconnect on an ATM interface, the ifEntry instance is removed.

CR 80224: IGMP

Watch dog timer expires while sending data packets from a source to its matching group when MTM static forwarding is configured with the same group and address.

CR 82539: PPP

The router fails to establish a Point-to-Point Protocol (PPP) session with the RAD/WebRanger routers. This problem occurs when remote users attempt to access the central site.

CR 83167: OSPF

A fault occurs in IP when the route table manager fails to delete an entry from the routing net pool. This condition occurs when a network interface in a non-backbone area goes down after having learned an OSPF route that is in the summary range defined in the backbone area.

CR 85093: IP

When running BaySecure Firewall on an ARN router, the free buffer list becomes corrupt, causing a bus error when allocating a buffer.

CR 87645: 100BT

Lancast 100bt transceiver fails operating system diagnostics.

CR 88632: Boot Prom

The ARN router experiences intermittent boot failures when it incorrectly enters into diagnostic mode. ARN boot proms require upgrade to version 1.27.

CR 90108: IPX

RCONSOLE and some Lotus Notes applications do not work when IPX traffic goes over a DOD hot standby circuit.

CR 90436: ATM

When a PVC is configured with an illegal VCI number, it remains in an init state and cannot be deleted using the BCC. You can only delete the PVC through the MIB set.

CR 91128: ATM

Toggling a PVC while it is in an init state causes a fault. The init state occurs when two PVCs are using the same service class value within the same PVC group.

CR 91925: ATM

Deleting an ATM interface without first deleting the PVC and service record causes a fault to occur.

CR 92237: ATM

Various MCP and VBM errors occur on an ATM interface during a failure recovery.

CR 92475: OSPF

When originating a new AS external LSA that is less specific than an existing LSA, the wrong LSID is used.

92520: X.25

When a configured link is bounced in IPEX, TCP reestablishes the link with another available IP address. This does not work properly in some environments. A new global IPEX MIB parameter, wfIpexTcpUseIpAddress, has been added to allow IPEX to use only the IP address associated with the local TCP port instead of any IP address on the router.

CR 93483: ATM

Random slot disconnects and tag violations occur on an ASE slot.

CR 93936: IP

An adjacent host does not become active across ATM PVC until it is bounced. This occurs when IP adjacent hosts are configured for ATM PVC and the address resolution type for the IP interface is set to ATMARP.

CR 94143: TFTP

Using the Technician Interface to delete TFTP can cause a bus error to occur.

CR 96022: Frame relay

A router configured with frame relay PVCs and hardware compression does not report BECNs received from the frame relay cloud.

CR 96189: IP

Routers configured for RIP announce policy filters to advertise only one route with a particular metric may advertise the route as unreachable. This occurs when the Networks List of the policy is empty, indicating that the policy should match all routes in the routing table. It appears that if the first route in the routing table is unreachable, the network(s) in the Advertise List are also advertised as unreachable, rather than being advertised with the metric specified in the policy.

CR 96944: Frame relay

The router crashes when multilining frame relay service records together.

CR 97635: SDLC

In a configuration with multiple defined link stations on the secondary interface where a one-link station definition stops sending RR's/Info, the router will not tear the connection down if the other link station definitions are sending data.

CR 99023: IP

The router experiences a problem synchronizing static routes between slots when in ISP mode.

CR 99067: OSPF

Under heavy CPU utilization, the router may fault.

CR 100051: NAT

Attempts to create a static NAT map entry in a dynamic global range are sometimes unsuccessful.

CR 100263: X.25 PAD

If the X.25 PAD receives a call request without a calling address, the PAD does not fault and the call gets connected.

CR 100610: IP

A router in ISP Mode with a default route and default route for subnets enabled fails to forward packets over the default route.

CR 92528: ATM

ILMI Address registration fails with the IBM 8265 switch. This causes the receiving switch to freeze.

CR 101014: IPX

Disabling split horizon may create a bogus host entry on other routers.

CR 101713: BGP

OSPF/RIP does not import eBGP routes into the routing table if wfBgpIntraAsIbgpRouting is enabled. A new MIB parameter, wfBgpIgpInterAction, has been added to control route porting between BGP and IGP. A value of 1 ports eBGP routes to OSPF, a value of 2 ports eBGP to RIP, and a value of 3 ports eBGP to both OSPF and RIP.

CR 102106: DLSw

A bus error occurs on the router in DLS when the connection to the backup peer is closed after the primary peer is lost.

CR 102428: VINES

The router is installing its own VINES NetID as next hop after receiving a redirect with its own NetID as the gateway, which corrupts the VINES route table.

CR 102477: VINES

When you disable VINES globally on one of two routers with redundant interfaces, the NetID of the router is not removed from the neighboring routing table. The neighboring VINES router retains the route and continues to advertise it as reachable.

CR 102685: VINES

Connectivity may be lost to VINES routers or servers when a VINES router is bounced in a multipath environment.

CR 102837: Spanning tree

Toggling the spanning tree root interface may cause the blocking interface to forward STE frames.

CR 103342: Technician Interface

Running readexe bn.exe on a single-slot ARE BLN can cause a VBM error to occur if the More option is set to On and there is no session activity for 10 seconds.

CR 103355: X.25

Receipt of a disconnect request in TCP retry mode causes an IPEX gateway bus error.

CR 103570: DLSw/SDLC

Bus errors occur when you bounce DLSw on SDLC to SDLC pu2.0 point-to-point setup.

CR 103944: VINES

VINES is sending ping responses with a calculated hop count rather than a max hop count. This causes packets to be zero-hop dropped on the return whenever there are multiple equal-cost paths with different hop counts.

CR 104133: DLSw

Resetting the slot on SDLC to SDLC setup with DLSw 2.0 may cause bus errors to occur.

CR 104366: Flash

Compacting an already compacted 40 MB flash card on a FRE-2, FRE-2_060, or ARE causes a watchdog error to occur.

CR 104948: ATM

The router inserts multiple entries in the LE_ARP table, which causes watchdogs when reverifying entries in the LE_ARP table. The router also does not bitswap MAC addresses before sending out LE_ARPs when reverifying 802.5 clients.

CR 105130: Technician Interface

An unauthorized operator can use the partition create and partition delete commands, which should be restricted to Manager access only.

CR 105221: Source route bridging

When you dynamically configure source route bridging, attempts to change the global attribute "Group LAN ID" to a value other than the default are not reflected in the specifically routed frame.

CR 105280: IPEX

The router can't establish more than 10 sessions simultaneously.

CR 105294: VINES

VINES may go to buffer depletion for an extended period when configured in a redundant topology with equal-cost routes. This generally occurs when you disable and reenable multiple VINES routes that share a common segment or when you reboot multiple routers on a common segment.

CR 105388: DVMRP

New generation ID is not being sent when an interface comes up on a DVMRP slot.

CR 105418: DVMRP

The routing table can become unsynchronized when an unreachable update is followed by a reachable update from the next hop router before the original unreachable state is propagated.

CR 105561: IPX

Connectivity to the host is lost when a host entry still exists in the IPX host table even though packets can't be forwarded to that host. Connectivity can also be lost when the host is no longer in the host table and it cannot be added again.

CR 105577: SWSERV

Toggling a primary circuit and a backup circuit causes a bus error to occur.

CR 105663: DVMRP

Outbound cache entry may not be installed under the following conditions: interface A and interface B are on different slots and A is the inbound interface. A better route is learned from interface B and the cache entry for interface A is then lost.

CR 105609: 100 BT ethernet

When a 100 MB Ethernet interface handles large volumes of transmit and receive traffic, a bus error can occur.

CR 106010: DVMRP

If the router sends a prune/graft to the wrong neighbor, it may cause data loss and data duplication.

CR 106017: IP

A continuous stream of TFTP file transfer requests directed at an IP broadcast address can cause an out of buffer condition to occur.

CR 106061: RIP

Tag violations may occur on all IP slots when you boot a router with RIP configured.

CR 106170: DVMRP

The neighbor router is incorrectly being placed in the loop neighbor list.

CR 106381: ATM

If the PVC is bounced prior to bouncing the service record, the PVC will not come back up.

CR 106602: Frame relay

Performance on frame relay over HSSI suffers 50% of line speed with 64-byte packets.

CR 106781: Learning bridge

When an ARE slot disconnects and resets, bridging performance is degraded until the bridge is bounced.

CR 106888: OSPF

Using Site Manager to dynamically disable and then enable an OSPF area causes the configured authentication type to be lost and an adjacency is not formed.

CR 106129: ATM

The router incorrectly determines specific 802.5 MAC addresses as broadcasts when processing LE_ARP responses. This causes the LEC to restart.

CR 107143: ATM

The router is not responding to LE_ARP destined for it's own MAC address on 802.5 elans. This condition affects performance because the router sends unnecessary traffic to other LECs and creates congestion on the bus.

CR 107164: Frame relay

Bus errors occur on the FRE processor before it goes into diag mode when you bring down a frame relay interface with an HSSI card configured with IP. This occurs whenever the router brings down the frame relay interface after not receiving the LMI status messages.

CR 107581: BGP

BGP is not advertising and withdrawing correctly when handling two announcements of the same network to two different peers.

CR 107675: DVMRP

When a non-dominant router becomes the dominant router and subordinate routers are contained in its loop neighbor list, the newly dominant router will not graft traffic.

CR 107703: IGMP

Multicast data packets gets duplicated on a DVMRP router where MTM has outbound cache entry on an inbound circuit.

CR 107811: ATM

A memory leak occurs on the ATM interface after a virtual circuit is repeatedly brought up and then killed using the Technician Interface.

CR 107938: ATM

The router does not clean up the ATM circuit when a port is dynamically deleted using Site Manager.

CR 107941: SWSERV

A dial backup circuit may fail to send a message to PPP requesting the creation of multilink system when the primary circuit is back up. This condition occurs intermittently when the sync line is bounced.

CR 108052: IPX

A memory leak can occur when a host is added to or deleted from the host table.

CR 108091: DVMRP

Data can be lost when the router learns a subordinate route from one neighbor router and receives a poison reverse from another router that resides in its neighbor list.

CR 108407: IP

Extended traffic filters do not work on an ARE once more than 31 filters have been added.

CR 108689: DVMRP

The router discards the prune packet if an active prune from the downstream neighbor already exists. Traffic can also be blocked for a period if the new prune time value is less than the current prune time value.

CR 108776: DVMRP

A temporary data loss can occur when a prune is sent with an incorrect time value that is smaller than the current prune time value.

CR 109903: ATM.

The LEC attempts to transmit out a virtual circuit (VC) that has been deleted from the VC table for the ATM driver. This condition persists until the ATM is reset.

Site Manager Software Version 7.03 Fixed Anomalies

Nortel Networks has fixed the following anomalies in Site Manager Software Version 7.03.

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Site Manager Software Version 7.03 is a post-7.00 revision. This version is backward compatible and supports the following router software versions:

13.03, 13.02, 13.01, and 13.00

12.03, 12.02, and 12.01

11.03, 11.02, 11.01, and 11.00

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CR 34895: AOT/BOT

Unsupported WAN protocols (AOT/BOT) appear in the WAN protocol menu when multilining an FT1 or FE1 circuit with a standard sync port.

CR 35415: X.25

Changes to the IP adjacent host mask on an X.25 interface are not properly updated on a subnet.

CR 80561: TFTP

Executing large numbers of TFTPs on a PC platform can cause general protection faults to occur.

CR 91577: Site Manager

There is a compatibility problem with Site Manager on HP/UX 10.20 with the X/ Motif 1.2 Libraries Y2K patch (PHSS_13113, PHSS_14040, and PHSS_16120). When you use Events -> Load Local Log Files, the message "Log Browser module completed abnormally (E1701)" incorrectly appears. Also, when you choose router types in a local file configuration, the window color obscures the clear display of router types.

CR 97013: Configuration Manager.

The color mapping at the LAN and WAN Protocols Selection windows in Site Manager/HP_UX, obscures the display and renders them illegible.

CR 103004: SDLC

Site Manager incorrectly allows SDLC to be configured on the FT1 and FE1 interfaces.

CR 103590: SNMP

Site Manager for Windows 95/98 cache mode causes PCs to hang with a general protection fault during multiple user connections.

CR 105771: CSMACD

Site Manager does not allow hardware engine type 5431 ESAF-4. This can cause a common mode termination to occur on CMTS and a looping FTP session.

CR 105902: ASN2

The ASN2 router restarts during a boot because it can't locate the wfHwCfgEntry entry when it is not the first entry in the hardware.ldb file.

CR 105944: SNMP

Site Manager does not display Technician Interface traps sent by the router in the Trap Monitor window.

CR 106281: BGP

A request to change the wfBgpIgpInterAction MIB to now control the porting of BGP routes into an OSPF/RIP domain. This feature was previously controlled by wfBgpIntraAsIbgpRouting MIB.

CR 106708: Spanning tree

Spanning tree root selection fails with either SRB or LB spanning tree configured on a null encapsulated ATM PVC service record.

CR 106866: IP

Attempts to change an IP interface address which has multiple criteria traffic filters can cause Configuration Manager to fault and terminate with no error message. This only occurs during attempts to change the first IP instance.

CR 107359: IP

Using the rename option in File Manager to execute a TFTP file transfer from the router to the local machine can cause a duplication of the files transferred.

CR 107591: Event Manager

Typing a file name without the associated path while saving a log in Event Manager can cause a core dump to occur.

CR 107606: ATM

Solaris/Site Manager can freeze up when deleting an active ATM circuit.

CR 107816: Report Generator

A core dump can occur in Site Manager when you generate reports in Report Generator using template files.

CR 108192: SMDS

The Fractional T1 and E1 Logical Line windows display incorrect values at the following fields when SMDS has been configured as the WAN protocol: Breath of Life, Service, and WAN Protocol.

CR 108254: Image Builder

Attempts to select a directory by typing the complete path are unsuccessful when you use the file Open or Save options in Image Builder.

CR 108564: Frame relay

You can not select some protocols when configuring a frame relay interface in Site Manager on the HP_UX platform.

CR 108859: IGMP

Invalid non-integer values are being accepted at the Relay Forwarding Timeout parameter field of the IGMP Global Configuration Window.

CR 109261: Events Manager

Site Manager running on HP/UX platform does not successfully save output to disk when configuring within Events Manager.